



## **1,25 Dihydroxy Vitamin D ELISA**

For the quantitative determination of 1,25-dihydroxy Vitamin D in serum and plasma

For Research Use Only. Not For Use In Diagnostic Procedures.

Catalog Number:	30-2112
Size:	48 Determinations
Version:	14.08.2008 – ALPCO 9/10/08

### **ALPCO Diagnostics**

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This Protocol is for Reference Purposes Only.  
DO NOT use this copy to run your assay;  
use the protocol included with the kit ONLY.

## 11. PERFORMANCE CHARACTERISTICS

### *Precision and reproducibility*

Intra-Assay (n=20)		
Probe	1,25-(OH) <sub>2</sub> -Vitamin D [pg/ml]	CV (%)
1	55.3	6.69
Inter-Assay (n=20)		
Probe	1,25-(OH) <sub>2</sub> -Vitamin D [pg/ml]	CV (%)
1	39	9

### *Sensitivity*

The sensitivity was set as  $B_0 + 2SD$ . The zero-standard was measured 20 times.

Sample	1,25 (OH) <sub>2</sub> Vitamin D mean value [OD]	Standard deviation (SD)	Detection Limit [pg/ml]
1	1.201	0.025	4.8

### *Cross reactivity*

1,25-(OH) <sub>2</sub> Vit D <sub>3</sub>	100 %
Vit D <sub>2</sub> & D <sub>3</sub>	< 0.01 %
24,25-(OH) <sub>2</sub> Vit D <sub>3</sub>	< 0.1 %
25-OH Vit D <sub>2</sub>	< 0.1 %
25-OH Vit D <sub>3</sub>	< 0.01 %
Alfacalcidol	< 0.003 %
1,25-(OH) <sub>2</sub> Vit D <sub>2</sub>	41%

### 3. MATERIAL SUPPLIED

Catalogue No	Content	Kit Components	Quantity
K 2112MTP	PLATE	One holder with precoated strips	12 x 8 wells
K 2112WP	WASHBUF	ELISA wash buffer concentrate 10x	100 ml
K 2112E	ETHANOL	Ethanol, ready-to-use	1.5 ml
K 2112TR	TRIS-HCL	Tris-HCL buffer, ready-to-use	30 ml
K 2112A1	AB	Detection antibody, anti 1,25-(OH) <sub>2</sub> vitamin D, ready-to-use	25 ml
K 2112ST	STD	Standard incl. NSB, ready-to-use (for range see specification or label)	7 x 2.5 ml
K 2112KO	CTRL	Controls, ready-to-use (for range see specification)	2 x 2.5 ml
K 2112K	CONJ	Conjugate, polyclonal peroxidase- labeled antibody, ready-to-use	22 ml
K 2112TMB	SUB	TMB substrate (Tetramethylbenzidine), ready-to-use	2 x 15 ml
K 2112AC	STOP	ELISA stop solution, ready-to-use	15 ml

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